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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,212	11/22/2006	Valerie Frankard	1187-30	2213
	7590 08/29/200 E BARRESE, LLP		EXAMINER	
333 EARLE OV	VINGTON BLVD.		KUMAR, VINOD	
SUITE 702 UNIONDALE, NY 11553			ART UNIT	PAPER NUMBER
			1638	
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			08/29/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/583,212	FRANKARD ET AL.
Office Action Summary	Examiner	Art Unit
	VINOD KUMAR	1638
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be tid d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 12 № 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) Claim(s) <u>1-28</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) <u>1-28</u> are subject to restriction and/or	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examin	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). pjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat* See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receiv au (PCT Rule 17.2(a)).	tion No red in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	oate

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DETAILED ACTION

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Office acknowledges Applicant's response filed in the paper of May 12, 2008. However, upon further consideration the restriction requirement mailed in the paper of April 9, 2008 is vacated. A new restriction requirement is set forth below. Any inconvenience to the Applicant is regretted.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing expression in a plant of a nucleic acid sequence encoding a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by site directed mutagenesis.

Group II, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing activity and/or increasing levels in a plant of a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by site directed mutagenesis.

Group III, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing expression in a plant of a nucleic acid sequence encoding a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by homologous recombination.

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Group IV, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing activity and/or increasing levels in a plant of a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by homologous recombination.

Group V, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing expression in a plant of a nucleic acid sequence encoding a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by TILLING.

Group VI, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing activity and/or increasing levels in a plant of a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by TILLING.

Group VII, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing expression in a plant of a nucleic acid sequence encoding a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by T-DNA activation.

Group VIII, claim(s) 1 (part), 2, 3 (part) and 15 (part), drawn to a method for improving plant growth characteristics, said method comprising increasing activity and/or increasing levels in a plant of a GRUBX protein, or wherein said increase is effected by introducing a genetic modification, preferably in the locus of a gene encoding a GRUBX protein, or wherein said modification is effected by T-DNA activation.

Group IX, claim(s) 4-14, drawn to a method for improving plant growth characteristics comprising introducing and expressing in a plant an isolated nucleic acid sequence encoding a GRUBX protein, or wherein said improved growth characteristics is increased yield or modified plant architecture.

Group X, claim(s) 16, 18-19, 21-28, drawn to an isolated nucleic acid molecule encoding a protein having GRUBX activity, a construct, a transgenic plant cell, transgenic plant or plant cells, plant parts, including harvestable parts of said plant comprising a nucleic acid molecule encoding GRUBX protein, or a method of making said transgenic plant, comprising a nucleic acid sequence encoding GRUBX protein.

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Group XI, claim 17, drawn to a method for the selection of plants having improved growth characteristics, which method is based on the selection of superior allelic variants of a GRUBX coding sequence and which alleles give rise to improved growth characteristics in a plant.

Group XII, claim 20, drawn to an isolated protein.

The inventions listed as Groups I-XII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature linking Groups I-XII appear to be a nucleic acid sequence encoding a UBX domain protein of GRUBX. However, Town et al. (GenBank, NCBI, Sequence Accession No. NM_126269, pages 1-2, Published August 20, 2002) teach a nucleic acid sequence encoding a C2H2 zinc finger type protein. Also see, Town et al. (GenBank, NCBI, Sequence Accession No. NP_192817, pages 1-2, Published August 20, 2002) who teach a nucleic acid sequence encoding a UBX domain containing protein. It may be noted that a nucleic acid sequence encoding a variant of GRUBX protein, or a nucleic acid sequences capable of hybridizing to a nucleic acid sequence encoding GRUBX protein or variant thereof read on any C2H2 zinc finger type protein.

Therefore, the technical feature linking the inventions of Groups I-XII does not constitute a special technical feature as defined by PCT Rule 13.2, as it does not define a contribution over the prior art.

Applicant is also required to elect one nucleic acid sequence and its encoded protein with the elected group of claims. In the instant case, for Group X, one nucleic acid sequence and its encoded protein from the following SEQ ID NOs: 2, 5, 6, and 7. For Group XII, one protein sequence from SEQ ID NOs: 4 and 7.

Applicants are reminded that different nucleotide sequences and amino acid sequences are structurally distinct chemical compounds and are unrelated to one another. These sequences are thus deemed to normally constitute different inventive concepts.

Accordingly, Groups I-XII are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vinod Kumar whose telephone number is (571) 272-4445. The examiner can normally be reached on 8.30 a.m. to 5.00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anne Marie Grunberg can be reached on (571) 272-0975. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Vinod Kumar/ Examiner, Art Unit 1638